

SUROVTSEV, N.

In the name of the great goal. Stroitel' 8 no.4:24-26 Ap '62.

(MIRA 15:7)

(Construction industry)

SUROVTSEV, Nikolay

Living source of photographic information. Sov.foto 21 no.3:11  
Mf '61. (MIRA 14:4)

1. Korrespondent Fotokhroniki TASS.  
(News photographers)

SUROVTSEV, Nikolay

Pictorial journalism with public participation. Sov.foto 22  
no.9:31 S '62. (MIRA 15:8)

1. Predsedatel' krayevoy fotosektsii pri Khabarovskom krayevom  
byuro Soyuza zhurnalistov SSSR.  
(Khabarovsk--Photography, Journalistic)

USSR / Human and Animal Physiology. Metabolism.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41059.

Author : ~~Surovtsev, N. N.~~

Inst : Scientific Research Institute for the Protection  
of Motherhood and Childhood.

Title : The Growth Dynamics of Carbonic Anhydrase in the  
Blood of Children in the Base Childrens' Home.

Orig Pub: Sb. Tr. N.-1. in-ta okhrany materinstva i detstva  
GruzSSR, 1956, 7, 303.

Abstract: No Abstract.

Card 1/1

PINKHNSON, D.M.; SUROVTSEV, N.S.

Deficiencies in the training of students in economic geography.  
Geog. v shkole 22 no.1:42-44 Ja-F '59. (MIRA 12:4)  
(Geography, Economic--Study and teaching)

SUROVTSEV, H.S.

Using graphic methods in practical work in the ninth grade.  
Geog.v shkole 22 no.4:45-52 J1-Ag '59.

(MIRA 12:11)

(Geography, Economic--Graphic methods)

SUROVTSEV, N.S. (Leningrad)

New sample of a working geyser model. Geog.v shkole 24, no.6:  
67-68 N-D '61. (MIRA 14:10)  
(Geysers---Models)

SUROVTSEV, N.S. (Leningrad)

Manufacturing volumetric aids by means of a frame. Geog.  
v shkole 25 no.6:55 N-D '62. (MIRA 15:12)  
(Geography--Audio-visual aids)



SUROVTSEV, N.S.

Excursion to a textile factory for practical training in economic  
geography. Mat. Otd. ucheb. geog. Geog. ob-va SSSR no.2:35-57 '63.  
(MIRA 17:6)

TURIK, I.A.; GLEZER, I.G.; IONINA, M.A.; NOVIKOVA, V.I.; SUROVTSEV, S.A.;  
FOMIN, V.K.

Ways for improving the quality of foundry coke. Koks i khim.  
no.9:25-27 '62. (MIRA 16:10)

1. Ukrainskiy uglekhimicheskiy institut (for Turik).
2. Yenakiyevskiy koksokhimicheskiy zavod (for all except Turik).  
(Coke)

SUROVTSEV, S.P.

Book on technical progress in the finishing of fabrics ("Finishing of cotton fabrics" by V.E. Rostovtsev and others. Reviewed by S.P. Surovtsev). Tekst. prom. 19 no.11:89-90 N '59.

(MIRA 13:2)

(Cotton finishing)  
(Rostovtsev, V.E.)

ANOKHIN, P.T., inzh.; SUROVTSSEV, V.K., inzh.

Constructing a caprone plant. Prom.stroi. 38 no.6:  
30-33 '60. (MIRA 13:7)

1. Sibirskiy filial instituta Orgetroy.  
(Barnaul—Textile factories)

PANFILOV, M.N.; SUROVTSEV, V.K.

Use of partial condensation for the separation of formaldehyde  
from solutions. Plast massy no.8:62-63 '63. (MIRA 16:8)

(Formaldehyde)

5. *Admission*, 10

11-1121 (To the question of the calculation of silt and silt movement) A. Voprosi  
o siltovom razmerenii i razmerenii.

on a table and a chair in a corner.

Vestnik Irri-voili, 1(11): 43-45, 1961.

A.P. 5 SUROVTSEV, V.P.

Glass

Glassmaking furnace with a connection between the  
melting and working chambers. V. P. Surovtsev.  
Russ. Zh. Stk., Dec. 31, 1949; Chem. Abstr., 44, 1023 (1949).  
—Constructional details.  
Glasstirring furnace with a narrow cooling section.  
V. S. Yankovskiy. Russ. Zh. Stk., Dec. 31, 1949; Chem.  
Abstr., 44, 1023 (1949). —Constructional details.

A. C. S.

SUROVTSEV, V. P.

*Belarus*

Construction of a continuous batch furnace for making neutral glass. D. B. GUMENKO AND V. P. SUROVTSEV. *Trudy Nauch. Khim.-Tehn. Inst. Mendeleeva*, 1940, No. 8, pp. 89-90; *Khim. Refrat. Zhur.*, 4 [7-8] 88 (1941).—The authors describe the rebuilding of a glassmelting furnace according to their plans. After the rebuilding, the yield per 1 sq. m. of surface was 470 kgm. instead of the 210 kgm. formerly obtained. The cost of fuel was lowered accordingly. See "Rationalization . . ." *Ceram. Abs.*, 19 [3] 64 (1940). M.Ho.



15(6)

SOV/72-59-2-12/21

AUTHORS:

Afanas'yev, A. N., Pototskaya, G. V., Andreyev, S. I.,  
Surovtsev, V. P.

TITLE:

~~Tank~~ Furnaces for the Melting of Glass Poor in Alkali (Van-  
naya pech' dlya varki maloshchelochnogo stekla)

PERIODICAL:

Steklo i keramika, 1959, Nr 2, pp 37-39 (USSR)

ABSTRACT:

Low alkali content glass of the trade-mark 13v was melted in the years from 1956 to 1958 in the test glass works. The furnace with passage and horseshoe-shaped flame is depicted in figure 1. Experiments carried out by the laboratoriya ogneuporev Instituta stekla (Glass Institute Laboratory of Refractories) showed that quartz beams are to be regarded as the most stable refractory for the 13v glass. To test their performance under factory working conditions the melting section of the furnace basin as well as the furnace passage were lined with quartz beams of the dimensions 900x250x90÷100 mm. The furnace bottom and the basin walls of the furnace processing section were lined with fire-clay beams. The furnace front wall was experimentally built of dinas slabs SP-7. The longitudinal walls of the basin melting section were equipped with water coolers (Fig 2) and the front

Card 1/2

FLEROV, B.K.; MASLENNIKOVA, M.S.; SUROVTSEVA, A.D.

Methods for determining the resistance of nonmetallic materials  
to the destructive action of fungi. Mikrobiologiya 32 no.3:  
551-557 My-Je'63 (MIRA 17:3)

SUROVTSEVA, L. A.

"Intestinal Motility of Rabbits After the Removal of the Parathyroid Gland." Cand Biol Sci, Inst of Physiology, Acad Sci USSR, Volodga, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR<sup>n</sup>  
Higher Educational Institutions (12)  
SO: Sum. No. 556 24 Jun 55

SUROVTSEVA, S.

Adult Education

Commission on mass culture activity of the trade-union provincial committees. Prof.  
soiuzu No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

SUROVTSEVA, S.

Community Centers

Our assistance to recreation center, V pom. profaktivu, 13, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

SUROVTSEVA, S., zaveduyushchaya.

Concern for the satisfaction of cultural demands of rural workers.  
Sov.profsoiuzy 1 no.4:35-36 D '53. (MLRA 6:12)

1. Kul'turno-massovyy otdel Leningradskogo oblastnogo soveta professional'nykh soyuzov.  
(Trade-unions) (Community centers)

ROTINYAN, A.L.; GAL'NBEK, A.A.; SUROVTSEVA, S.P.

Current efficiency in the electrolysis of fused salts. Tsvet.  
met. 34 no.10:40-45 0 '61. (MIRA 14:10)

1. Leningradskiy tekhnologicheskii institut imeni Lensovet.  
(Nonferrous metals--Electrometallurgy)

AID P - 1579

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 9/21

Authors : D'yakova, M. K. and Surovtseva, V. V.

Title : Effect of the fraction composition of solvents on the solubility of "humus" and sapropelic coals. Part V.

Periodical : Zhur. prikl. khim., 28, no.1, 65-70, 1955

Abstract : Benzene, toluene, xylene, naphthalene, and five fractions of anthracene oil were used as solvents in experiments with "humus" coal at 400°C and with boghead at 420°C. The dissolution of the coal depends on the chemical composition of the solvent, whether the solvent is used in liquid or gaseous state. Three tables. 11 references (5 Russian: 1937-48)

Institution: Institute of Mineral Fuels of the Academy of Sciences of the USSR

Submitted : F 7, 1953



1947-1948, V V.

18

6. 6.1

S/062/60/000/012/013/020  
B013/B054

AUTHORS: Vol'-Epshteyn, A. B., D'yakova, M. K., and Surovtseva, V.V.  
TITLE: Conversion of Organic Compounds With Quaternary Carbon  
Atoms in Catalytic Hydrogenation  
PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh  
nauk, 1960, No. 12, pp. 2230-2233

TEXT: The authors studied the catalytic hydrogenation of organic compounds on the example of 2-phenyl-2-hydroxy-phenyl propane, 2,2-dihydroxy-phenyl propane, and isooctane. The experiments were made in a rotating autoclave at a temperature of 275°C and an initial hydrogen pressure of 40 atm on a  $WS_2 + NiS + Al_2O_3$  catalyst. A table gives the composition of the hydrogenation products of 2-phenyl-2-hydroxy-phenyl propane and 2,2-dihydroxy-phenyl propane. On the basis of the results obtained, the authors set up the enclosed diagram for the presumable conversion mechanism of these compounds under given conditions (principal reaction on the left, side reaction on the right). Isooctane is not converted under given

Card 1/3

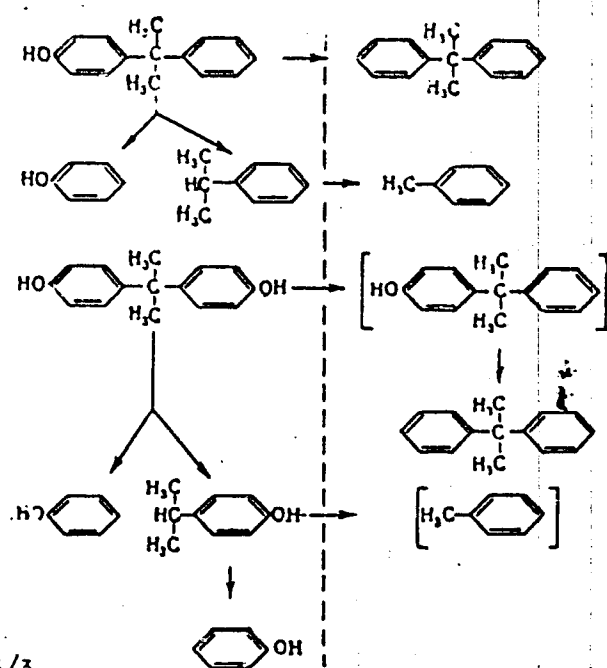
Conversion of Organic Compounds With Quaternary Carbon Atoms in Catalytic Hydrogenation S/062/60/000/012/013/020  
B013/B054

conditions. The resulting product did not differ from the initial iso-octane. During the experiments, the authors made the following statements: the stability of the carbon-carbon bond between aliphatic chain and benzene ring is considerably reduced under the action of the phenol hydroxyl in the ring (in para-position in the experiments), the reduction being strongest in the quaternary atom of the aliphatic chain. The reduction is lower in the ternary atom, and it is assumed that in the case of a secondary bond between carbon atom and hydroxy-phenyl radical the stability is reduced even less. This circumstance might be important to the acceleration of decomposition reactions of carbon and resin residues containing hydroxy-phenyl radicals in their destructive hydrogenation in the liquid phase. The authors mention A. V. Lozovoy, R. N. Tsirlina, S. A. Senyavin, and L. S. Sovetova. There are 1 figure, 1 table, and 8 references: 4 Soviet, 2 German, and 2 US.

ASSOCIATION: Institut goryuchikh iskopayemykh Akademii nauk SSSR  
(Institute of Mineral Fuels of the Academy of Sciences USSR)

SUBMITTED: July 6, 1959

Card 2/3



S/062/60/000/012/013/020  
B013/B054

Card 3/3

VOL' - EPSHTEYN, A.B.; ZHAROVA, M.N.; SUROVTSEVA, V.V.

Processing of phenolic resin obtained in the production of  
phenol via cumene. Khim.prom. no.2:88-93 F '62. (MIRA 15:2)

1. Institut goryuchikh iskopayemykh AN SSSR.  
(Phenols) (Cumene)  
(Hydrogenation)

VOL'-EPSHTEYN, A. B.; ZHAROVA, M. N.; SUROVTSEVA, V. V.

Hydrogenation of individual compounds of phenol oil formed  
in the synthesis of phenol by the cumene method. Trudy IGI 17:  
262-268 '62. (MIRA 15:10)

(Phenol) (Hydrogenation)

VOL'-EPSHTEYN, A. B.; GRIGOR'YEV, S. M.; KRICHKO, A. A.; KONYASHINA,  
R. A.; SUROVTSEVA, V. V.; YULIN, M. K.

Production of aromatic hydrocarbons from pyrolysis tar of hydro-  
carbon gases by hydrogenation. Trudy IGI 17:269-277 '62.

(MIRA 15:10)

(Hydrocarbons) (Coal-tar products)  
(Hydrogenation)

S/080/63/036/002/017/019  
D403/D307

AUTHORS: Vol'-Epshteyn, A. B., Lifshits, B. R. and Surovtseva,  
Y. V.

TITLE: Hydrogenation of a phenolic resin obtained during the  
preparation of diphenylolpropane

PERIODICAL: Zhurnal prikladnoy khimii, v.36, no. 2, 1963, 456-459

TEXT: 2,2-(2-hydroxyphenyl), (4-hydroxyphenyl)propane, 2,4-( , -  
dimethyl-4-hydroxyphenyl)-phenol and 4,4'-hydroxyphenyl-2,2,4-tri-  
methylchroman form during the preparation of 2,2-di-4-hydroxyphe-  
nyl-propane (I) from phenol and acetone. The authors showed earlier  
that the bond between the quaternary carbon and the benzene ring  
is made susceptible to hydrogenation owing to the para-hydroxyl  
group, giving phenol and p-iso-propylphenol. In the present work  
the authors hydrogenated the phenolic resin, (formed during the  
preparation of I in presence of  $H_2SO_4$ ) over an Al-Co-Mo catalyst,  
at 310 - 360°C, in an autoclave with initial  $H_2$ -pressure of 40 atm.

Card 1/2



Hydrogenation of a ...

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D403/D307

obtaining ~30% yields (each) of phenol and p-iso-propylphenol at ~325°C. Some ortho isomer was probably also present in the latter compound. There are 2 figures and 1 table.

ASSOCIATION: Institut goryuchikh iskopayemykh (Institute of Fuel Minerals)

SUBMITTED: October 19, 1961

Card 2/2

232777  
SUTCHENKO, Ye. P.

USSR/Metallurgy - Steel for Petroleum  
Equipment Sep 52

"Investigation of the Corrosion Resistance of EN-1  
Steel and Its Welded Joints," Ye. D. Surovtseva,  
M. V. Sukhobokova, Ye. M. Lapitskaya, Engineers

"Avtozen Delo" No 9, pp 8-12

Studies properties of low-carbon high-chromium  
steel used mainly as protective layer of clad  
metal and also for some parts of equipment in  
cracking plants. Tests specimens were kept in op-  
erating rectifying tower for one yr. Practically

232777

no corrosion destruction was observed: Loss in wt  
amounted to 0.83% and no change in thickness was  
revealed. Welds made with electrodes of type 18-8  
with Cu proved to be most sound joints without  
tendency to intercryst corrosion. Suggests that  
optimum anticorrosive properties may be attained  
by using electrodes of chem compn close to that  
of steel to be welded.

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SUROVTSEVA, E. D., Lapitskaya, Ye. M. and Sukhobokova, N. V.

"The Corrosion Resistance of Parent Metal and Welds in Low-Carbon 13 Per cent Chromium Steel" (Avto. Delo, 1952, 23, Sept. p. 8)

Type 12h-1 (low-carbon, 13 per cent chromium) steel is used in many examples of chemical and oil distillation equipment in place of an 16-8 steel. It is welded with a niobium-stabilised 16-8 type electrode, and the welds show no sign of intercrystalline corrosion (weld decay).

VI

SHCHETKIN, V. P.    BARBERIS, V. M.    and SHCHETKIN, V. M.    (in Russian)

"Investigation of Corrosion Resistance of EI496 Steel in Refining of Sulfurous Petroleum," one of eight articles appearing in the book: "Investigation of the Stress Corrosion of Metals," edited by G.M. Akinov, Mashin, Moscow, 1953

Central Sci Res Inst of Technology and Machine Bldg.

Translation 11-31666, 14 Dec 55

SOV/124-58-2-2434

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 122 (USSR.)

AUTHORS: Fedortsov-Lutikov, G. P., Prolygina, T. S., ~~Surovtseva, Ye. D.~~  
Sgibneva, G. A.

TITLE: Investigation of High-temperature Strength Characteristics of  
1Kh18N9T Steel (Issledovaniya prochnostnykh svoystv stali  
1Kh18N9T pri vysokikh temperaturakh)

PERIODICAL: V sb.: Vopr. metalloved. kotloturbinnykh materialov. Moscow  
Mashgiz, 1955, pp 176-191

ABSTRACT: Bibliographic entry

Card 1/1

FEDORTSEV-LUTIKOV, G.P., kandidat tekhnicheskikh nauk; GRIBYEDOVA, T.S.,  
inzhener; SUROVTSEVA, Ye.D., inzhener; SGIBNEVA, G.A., inzhener.

Study of the properties of 1Kh18N10T steel in connection with its  
use for steam boiler tubes. Energomashinostroenie no.3:18-22  
D '55. (MLRA 9:5)

(Steel--Testing)

UVAROV, Vladimir Vasil'yevich; SHNURKOV, Mikhail Yefimovich; LAPITSKAYA, Yeva Markovna; SUROVTSEVA, Yevgeniya Dmitriyevna; LADITSKIY, V.P., kandidat tekhnicheskikh nauk, retsenzent; ARONOVICH, M.S., kandidat tekhnicheskikh nauk, redaktor; MODEL', B.I., tekhnicheskiy redaktor

[The production of the principal boiler elements] Proizvodstvo osnovnykh elementov kotloagregatov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 315 p. (MLRA 9:7)  
(Boilers)

13.8200

1146, 1045, 1418

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S/104/60/000/006/001/004  
E193/E483

AUTHORS:

Moiseyev, A.A., Candidate of Technical Sciences,  
Semenova, T.F., Engineer, Surovtseva, Ye.D., Engineer  
and Sukhobokova, N.V., Engineer

TITLE:

The Effect of Heat Treatment on the Creep Resistance of  
the Austenitic Steel EI694P (EI694R)

PERIODICAL: Elektricheskiye Stantsii, 1960, No.6, pp.24-26

TEXT: Austenitic steels are being increasingly used in the construction of electrical power generating equipment and, since data on the creep properties of these materials are scarce, the present authors investigated the effect of heat treatment conditions on the creep resistance of steel EI694R, which contained (wt.%) 0.12 C, 0.41 Si, 1.53 Mn, 13.8 Cr, 15.7 Ni, 0.92 Nb, 0.019 S, 0.018 P and 0.002 B. The effect of two types of treatment only was investigated: stabilization and austenitization. The various stabilized specimens were air-cooled after (1) 10 h at 600°C; (2) 10 h at 750°C; (3) 10 h at 850°C and (4) 3 h at 900°C. Specimens subjected to the austenitization treatment were water-quenched after (5) 1 h at 1150°C or (6) 1 h at 1170°C. The results of tensile and impact tests, Card 1/2



СУРОВА, Ю.А.

Uniformity of the properties of boiler tubes made of 15Kh1M1F and  
12Kh1M1F steels. Metalloved. i term. obr. met. no.8:39-42 Ag '65.  
(MIRA 18:9)

1. Podol'skiy mashinostroitel'nyy zavod.

L 7999-86 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) IJP(c) JD

ACC NR: AP5026533

SOURCE CODE: UR/0286/65/000/019/0073/0073

INVENTOR: <sup>44.55</sup>Lanskaya, K. A.; <sup>44.55</sup>Gorchakova, E. N.; <sup>44.55</sup>Surovtseva, Ye. D.; <sup>44.55</sup>Lapitskaya, Ye. M.;  
<sup>44.55</sup>Malysheva, V. P.; <sup>44.55</sup>Zemzin, V. N.; <sup>44.55</sup>Smirnova, I. D.

TITLE: Ferritic steel. Class 40, No. 175238 [announced by the Central Scientific  
Research Institute of Ferrous Metallurgy im. I. P. Bardin (Tsentral'nyy nauchno-  
issledovatel'skiy institut chernoy metallurgii)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 73

TOPIC TAGS: steel, ferritic steel, <sup>44.55</sup>heat resistant steel, <sup>4</sup>silicon containing steel,  
<sup>27</sup>manganese containing steel, <sup>27</sup>chromium containing steel, <sup>27</sup>molybdenum containing steel,  
<sup>27</sup>vanadium containing steel, <sup>27</sup>niobium containing steel, <sup>27</sup>tungsten containing steel.

ABSTRACT: This Author Certificate introduces a ferritic steel containing silicon,  
manganese, chromium, molybdenum, vanadium, niobium, and tungsten. In order to in-  
crease the rupture and creep strength, the steel has the following composition in %:  
0.08--0.15 C, 0.4--1.0 Si, 0.4--1.0 Mn, 2.0--10.0 Cr, 0.5--2.0 Mo, 0.15--0.50 V,  
0.5--1.5 Nb, and 6--10 W. [WW]

SUB CODE: MM/ SUBM DATE: 09Apr64/ ATD PRESS: 4-142

nw  
Card 1/1

UDC: 669.15-194.57

ARSHAVSKIY, I.A.; NEMETS, M.G.; SUROVTSEVA, Z.F.

Physiological principles for the antenatal protection of the fetus; substantiation of the prevention of monsters and the physiological immaturity of newborn infants. Vest.AMN SSSR 17 no.11:60-70 '62. (MIRA 16:1)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.  
(MONSTERS) (INFANTS (NEWBORN)--MORTALITY) (FETUS)

SUROVY, J.; HEINRICH, J.

Some properties of the N-monomethyl formamide as selective solvent of aromatic compounds. *Ropa a uhlie* 5 no.8:239-242 Ag'63

1. Katedra chemie a technologie ropy, Katedra procesov a Zariadeni chemickej technologie, Slovenska vysoka skola technicka, Bratislava.

HEINRICH, Julius, inz. (Bratislava, Kollarovo namesti 2, Chemicky pavilon, Slovenska vysoka skola technicka); SUROVY, Julius, inz. (Bratislava, Kollarovo namesti 2, Chemicky pavilon, Slovenska vysoka skola technicka); ILAVSKY, Jan, inz. (Bratislava, Kollarovo namesti 2, Chemicky pavilon, Slovenska vysoka skola technicka)

Dependence of the pressure of N-methyl formamide vapors on temperature. Liquid - vapor balance of the system N-methyl formamide - water. Chem zvesti 15 no.6:414-418 Je '61.

1. Katedra ropy, procesov a aparatov, Slovenska vysoka skola technicka, Bratislava.

Z/043/63/000/002/003/003

AUTHORS: Lísý, M., Surový, J.

TITLE: Some ways of regulating pressures and flows of gases in a laboratory.

PERIODICAL: Chemické zvesti, <sup>17</sup>no. 2, 1963, 152-155

TEXT: Two designs of laboratory apparatus are described to obtain the desired controls. First system combines the advantages of manostats filled with mercury (high density for approx. adjustment) with those that are filled with water (fine adjustment). Pulsation is eliminated by means of an equalizing vessel and a capillary. Second system is similar to the first one, but the disadvantage of reducing the gas pressure by passing it through the apparatus has been eliminated. Adaptation of the second system for use as a flow regulator is given. All three systems allow maintaining of gas pressures within  $\pm 1$  mm of water column even at pressures of several pounds per square inch. 3 figures, 1 Czech reference

Figure Captions:

Fig. 1. p. 153. Scheme of connecting a mercury and a water manostat. A - vessel with gas, B<sub>1</sub> - mercury manostat, B<sub>2</sub> - water manostat, C - equalizing vessel, D - capillary, E - flowmeter, 3 - auxiliary container, 4 - gas exit, 5 - water outlet

~~Card 1 of 2~~

HEINRICH, Julius, inz.; SROVY, Julius, inz., 1951; KOSMACEK, Jan, inz.

Dependence of vapor pressure of phenylisopropylether on temperature. Chem zvesti 19 no.5.462-464 '65.

1. Chair of Processes and Apparatus of Chemical Technology of the Faculty of Chemical Technology of the Slovak Higher School of Technology, Bratislava, Janka ulica. Submitted November 25, 1964.

SUROWIAK, Jozef (Krakow)

Ultraviolet and ionizing radiation and the human organism.  
Wszechswiat no.6:141-144 Jo '63.



SUROVY, R., inz.; HOLLAREK, T., inz.

Transportation problems of the city of Bratislava. Doprava  
no.10:348-353 '62.

SUROVI, Rudolf, in:

Problems of suburban transportation. Doprava no.5:367-371 '63

SUROVY, Rudolf, inz.

Conference on transportation in the Tatra Mountain region.  
Zel dop tech 12 no. 7:195 '64.

SUROVYAGIN, V.

Method of preventing frost formation on the windshields of truck  
cabs. Avt.transp. 33 no.11:31 N '55. (MIRA 9:3)  
(Motortrucks--Windows and windshields)

SUROVYAGINA, M.P.

EVI-57-P electron viscosimeter. Tekst.pron. 19 no.8:48-50  
Ag '59. (MIRA 13:1)

1. Ispolnyayushchiy obyazannosti starshego nauchnogo sotrudnika  
TSentral'nogo nauchno-issledovatel'skogo instituta khlopchato-  
bumazhnoy promyshlennosti.  
(Sizing(textile)—Testing)

SUROVIAGINA, M.F., insh.; HAL'SKAYA, E.P., insh.

New type of size cooking equipment. Tekst.prom. 20 no.9:29-32 S  
'60. (MIRA 13:10)

(Sizing (Textile)) (Textile machinery)

SUROVYY, L.; TSYBUL'KO, M.

Differentiation of income tax from collective farms. Fin. SSSR  
37 no.6:48-53 Je '63. (MIRA 16:9)  
(White Russia—Collective farms—Taxation)

SUROWCOWA-SWILKINSKA, Alicja; TARKOWSKA-GAWRON, Barbara; HAWLING, Tadeusz;  
OLEKSIN, Danuta

Clinical course of smallpox during its epidemic in Wrocław in  
1963. Przegl. epidem. 18 no.2:165-172 '64.

1. Ze Szpitala Epidemicznego w Szczodrem.



SUROWCOWA-SWIDZIŃSKA, Alicja; HAWLING, Tadeusz; OLEKSIN, Danuta

Cases of hemorrhagic diathesis in smallpox patients during  
the 1963 Wrocław epidemic. Pol. tyg. lek. 20 no.34:1277-1279  
23 Ag '65.

1. Ze Szpitala Epidemicznego w Szczodrem (Kierownik: dr.  
Alicja Surowcowa-Swidzińska).

Distr: 4E2c/4E2c(j)

6603

66.674.678.679 5:621

Matczynski E. Surowiak W. New Uses for Non-Metallic Materials.

, Nowe zastosowanie materialów niemetalowych". Warszawa, 1956.  
PWT, 16", 143 pp., 181 figs., 28 tabs.

Examples are given of new uses of glass, ceramic materials, timber,  
rubber and plastics as structural material especially in machine build-  
ing. The authors refer to new technological processes related to the  
use of the materials in a supplementary capacity.

4  
4E3d  
4E2c (7)  
2M/4  
Matczyński P., Surowiak W. Plastic Slides in the Design of Machine Tools.  
Zastosowanie prowadnic z tworzyw sztucznych w budowie obrab-  
niarki. Prace Inżynierskie No. 9 1956, pp. 319-323, 8 figs.

This paper describes the properties of plastics used for making slides in machine tools, the design of such slides, methods of fixing and sealing the slides, methods of lubrication, and the special feature of design in connection with the need to lead off heat. The advantages of slides made of plastics: 1) relatively slow wear and consequently lesser increase in clearance of vibrations and elimination of vibra-  
tion. The paper also describes the design of slides and the methods of their construction. The paper also describes the design of slides and the methods of their construction. The paper also describes the design of slides and the methods of their construction.

307 77, 11.

Ceramic materials for construction purposes.

W. 344 (Techniczny) Vol. 77, no. 8, Aug. 1977. Warszawa, Poland)

Monthly Index of East European Accessions (EEI) IC. Vol. 7, no. 2,  
February 1978

Przemysł Chemiczny  
Vol VIII, Nr 12, 1957

The Application of Epicyclic Gears for Driving  
Mixers - by W. H. H. H. H.

The paper gives a review and an analysis of the epicyclic gears applied to drive the mixers used in chemical and food industry. The analysis of the formulae derived renders possible the proper choice of the number of teeth of the planetary gear wheels. As regards the mixers for which the epicyclic gears are used, the author gives a list of the mixers and their data. The author also gives a list of the mixers for which the epicyclic gears are used.

2  
+ 222 (4)  
2.2.100

SUROWIAK, WIKTOR

POLAND/Chemical Technology - Chemical Products and Their  
Application. Corrosion. Protection from  
Corrosion:

H-4

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8399

Author : Matczynski Feliks, Surowiak Wiktor

Inst : -

Title : Plastic Coatings.

Orig Pub : Mechanik, 1957, 30, No 3, 109-114; No 4, 145-147

Abstract : Consideration of the properties of plastics used for  
coatings, and of the methods of applying them.

Card 1/1

POLAND / Chemical Technology. Chemical Products.  
Ceramics. Astringents. Glass. Concrete.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68211

Author : Surowiak W., Matczynski F.

Inst : Not given.

Title : New Applications of Glass in Industry.

Orig Pub: Rrzegl. techn., 1957, 78, No 12, 487-491.

Abstract: Review of the present day applications of glass in various industries reveals wide use in the architectural construction fields: e.g., solid and half-low glass blocks, combination glass and reinforced concrete forms, panel glass, glass-plastic combination details and surface-finishing plate glass.

Card 1/3

POLAND / Chemical Technology. Chemical Products.  
Ceramics. Glass. Astringents. Concrete.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68211.

Abstract: In the electrical field glass is used as insulators, glass wool insulation (capable of withstanding high temperatures), and glass tubing that serves as a continuous insulator for electric wiring. In the machine building and chemical industries-glass is used in making pump pistons, sleeves and other details, rollers, glass tubing and piping and various glass apparatus. In the aviation industry - windows for the subsonic and supersonic airplanes where, instead of plastics, unbreakable shatter-proof laminated silicon glass is used. In the precision casting of high melting point alloys and metals, the glass forms are made of loose glass particles containing 98% SiO<sub>2</sub> and then heated to 1,050°. The forms for the metal casting, made of

Card 2/3

SURONIA, W.

TECHNICAL

Periodicals: NORMALIZACJA. Vol. 26, no. 3, Mar. 1991

SURONIA, W. An outline of information on differential gears. p. 116

Monthly List of East European Accessions (MEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.



SURCWIAK, W.

TECHNOLOGY

Periodicals: NORMALIZACJA. Vol. 26, no. 6/7, June/July 1958

SURCWIAK, W. The classification of planet gears. p. 296.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

SUROWIAK, W.

Riveting Plastic Machine Parts, p. 279

PRZEGLAD MECHANICZNY (Stowarzyszenie Inzynierow i Technikow Mechanikow  
Polskich)  
Warszawa, Poland  
Vol. 18, no. 9, May 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,  
November 1959.  
Uncl.

SURROWIAK, W

Distr: 4E2c(j)/4E3b

Relations between properties and molding of thermo-  
plastics. Wiktor Surownik. *Tworzywa Gumo-Lakier* 5,  
Nos. 1-2, 8-9(1980).--The physicomach. properties of  
amorphous and partially cryst. thermoplastics are reviewed  
in relation to their structure, degree of crystallinity, and  
the processing methods. First- and 2nd-order transition  
points, temp. variation of modulus of elasticity, tensile  
strengths and elongation, and time-elongation and stress-  
strain curves are discussed and shown to be analogous to  
those of metals and their alloys. The methods of improving  
the physicomach. properties such as stretching, annealing,  
copolymerization, and irradiation are indicated.

W. Mikneci...

2

1BW(BW)

1JHJ(NB)

2

S/196/62/000/002/017/023  
E194/E155

AUTHOR: Surowiak, Wiktor  
TITLE: The use of plastics as thermal insulating materials  
PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,  
no.2, 1962, 35, abstract 2G 260. (Tworzywa. Guma.  
Lakiery, v.5, no.10, 1960, 298-301, 316) (Polish).  
TEXT: Foam plastics containing bubbles filled with gas  
(e.g. CO<sub>2</sub> or N<sub>2</sub>) are often used as heat or sound insulation.  
Plastics with a high gas content, up to 90-95% by volume, have  
the best heat insulating properties. Most of the plastics are  
hydrophobic materials and their thermal insulating properties  
are not impaired by contact with water. Data are given about  
the thermal insulating properties of various porous materials  
(plastics, cork sheets, foam-glass, fibre-glass, foam-PVC, felt,  
peat sheets, sawdust, furnace slag and others). The field of  
application of plastics is limited by their brittleness at low  
temperatures and by their low resistance to temperature (maximum  
permissible temperature 50-100 °C). When spongy-plastics are  
Card 1/2

The use of plastics as thermal ...

S/196/62/000/002/017/023  
E194/E155

used for sound insulation the sound absorption takes place by multiple reflection of the sound waves from the cell walls. Although at some frequencies the sound-insulating properties of the plastics are not as good as those of porous rubber, they are successfully used in housing, aircraft, railway cars, cinema and radio installations and ships. Spongy-plastics should not be lacquered or covered with paper or their sound insulating properties are impaired.  
18 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

S/081/62/000/004/081/087  
B101/B110

AUTHOR: Surowiak, Wiktor

TITLE: Strengthening of threaded joints by means of polyamide inserts

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 564, abstract 4P94 (Tworzywa, Guma, Lakier, v. 5, nos. 11-12, 1960, 357-360, 384)

TEXT: Methods are described of strengthening threaded joints by means of elements obtained by injection molding of polyamides. The polyamide inserts protect the joint from loosening and are capable of operating as packings and as vibration absorbers at the same time. [Abstracter's note: Complete translation.]

Card 1/1

SUROWIAK, Wiktor

Strain relaxation and the creeping of plastics. Tworzywa wielkocząst  
6 no.9:269-273 S '61.


(Plastics)

SURCWIAK, Wiktor, mgr., ins.

Optimal working pressure of liquids for hydraulic cylinders.  
Przeł mech 21 no.4:122-123 '62.



SURCWIAK, Wiktor, mgr., inż.

Antifriction bearing without tolerance. Przegl mech   
no.7:217-218 Ap '62.

S/081/63/000/001/095/061  
B144/B186

AUTHOR: Surowiak, Wiktor

TITLE: Stress relaxation and creeping of plastics

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 526, abstract  
1T3 (Polimery, tworzywa wielkocząsteczkowe, v. 6, no. 9,  
1961, 269-273 [Pol.; summaries in Eng. and Russ.])

TEXT: The creeping of plastics is analyzed and the principles are established for designing machine parts made of plastics. Further, the constants are mentioned which should be applied to the calculation of stress and deformation for Nylon, polyacrylates, polyethylene, polytetrafluoro ethylene and polyester glass plastic, and examples of calculations are given. [Abstracter's note: Complete translation.]

Card 1/1

SUROWIEC, Alina

Rhythmicality of production and ways to calculate it. Rudy i metale  
8 no.1:34-35 Ja '63.

KOTLON, T.; SZLACHCINSKI, K.; SUROWIEC, J.

Lubricating Nimonic charge materials with soluble glass in press  
forging. Mechanik 34 no.9:474 '61.

1. Wytwarzania Sprzetu Komunikacyjnego, Rzeszow.

SUROWIEC, Marek, mgr inz.

Increase of the rate of flow of coal output from mechanized  
longwalls and the size of coal surge bunkers. Przegl gorn 20  
no.10:375-382 0 '63.

SIROMIEN, S.

Utilization of water according to the water law. n.6.  
GOSPODARSTWA WODNA (Naczelna Organizacja Techniczna) Warszawa  
Vol. 16, no. 1, Jan. 1956

Do. East European Accessions List Vol. 5, No. 2 September 1956

SUROWIEC, S.

TECHNOLOGY

PERIODICAL: GOSPODARKA WODNA, Vol. 18, no. 11, Nov. 1958.

SUROWIEC, S. A few remarks in connection with the law on assistance to soil-improvement works. p. 483.

Monthly List of East European Accessions (E'AI) LC Vol. 8, No. 4 April, 1959, Unclass.

SUROWIEC, Stanislaw, mgr.

Remarks on the statute on water protection against pollution. Gosp  
wodna 21 no.10:426-428 0 '61.



KROWCZYNSKI, Sleszek; WISLOCKA, Michalina; CHRZASZCZ, Wacław; SUROWIECKI, Jerzy

Effect of the pharmaceutical form on contraceptive effects in vitro  
and in vivo. Polski tygod. lek. 14 no.46:2039-2044 16 Nov 59.

1. (Z Zakładu Farmacji Stosowanej Instytutu Farmaceutycznego w Warszawie:  
ryrektor: dr P. Nantka Naminski i z Poradni Świadomego Macierzyństwa przy  
Instytucie Matki i Dziecka w Warszawie; dyrektor: prof. dr J. Lesinski).  
(CONTRACEPTIVES, pharmacol.)

SURWIECKI, S; TARCISIEWICZ, W.

Concerning water management; material remarks on the article by T. Plodowski,  
"For New Forms of Organization of Water Management and Administration." p.291

(GOSPODARKA WODNA. Vol. 17, No. 6, June 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) 10. Vol. 6, No. 10, October 1957. Uncl.

L 06456-67 ENT(m)/EMP(J) IJP(c) GG/RM  
ACC F.R. AP6024546 (A)

SOURCE CODE: UR/0089/66/021/001/0064/0066

AUTHOR: Berlyant, S. M.; Drozov, V. Ye.; Finkel', E. E.; Orlenko, P. A.; Suroyegin, L. M.; Breger, A. Kh.; Karpov, V. L.; Zorin, V. A.

ORG: none

TITLE: Large-scale radiation cross linking of polyethylene insulation of cable products

SOURCE: Atomnaya energiya, v. 21, no. 1, 1966, 64-66

TOPIC TAGS: radiation chemistry, polyethylene, polymer cross linking, insulated wire, electric cable/ KP gamma ray apparatus

ABSTRACT: In view of the many advantages resulting from the use of irradiated thermally stabilized polyethylene as insulation in cables, the authors describe apparatus developed for the irradiation of such insulation, for use in geophysical cables for very deep well drilling (o.d. 6.5 mm, length ~9 km, weight ~380 kg, volume ~400 l), capable of withstanding temperatures up to 200C and pressures higher than 300 atm. The entire cable was wound on a drum and exposed to  $\gamma$  radiation from  $\text{Co}^{60}$  (total activity 180,000 g-equivalent of radium) from the KP-200 apparatus. Measures taken to ensure uniformity of the gamma radiation, which is an essential factor in the success of the operation, are described. The required dose was 140 Mrad ( $\pm 10\%$ ). At a dose intensity of 63 r/sec and an irradiation time of 610 hr, the productivity of the apparatus was 0.7 kg/hr and the efficiency ~13%. The authors thank G. N. Lisov

Card 1/2

UDC: 621.039.55: 541.15

22c  
L 24212-65 ENT(m)/EPF(c)/EPF(n)-2/EPR Pr-4/Ps-4/Pu-4 DM  
ACCESSION NR: AP5001265 S/0089/64/017/006/0439/0448

AUTHOR: Polushkin, K. K.; Yemel'yanov, I. Ya.; Delens, P. A.; Zvonov, N. V.;  
Aleksenko, Yu. I.; Grozdo, I. I.; Kuznetsov, S. P.; Sirotkin, A. P.; Tokarev,  
Yu. I.; Lavrovskiy, K. P.; Brodskiy, A. M.; Belov, A. R.; Borisnyuk, Ye. V.;  
Gryazev, V. M.; Tetyukov, V. D.; Popov, D. N.; Koryakin, Yu. I.; Filippov,  
A. G.; Petrochuk, K. V.; Khoroshavin, V. D.; Savinov, N. P.; Mashcharyakov,  
M. N.; Pushkarev, V. P.; Surovagin, V. A.; Gavrilov, P. A.; Podlazov, I. N.;  
Rogozhkin, I. N.

TITLE: Atomic electric power installation "Arbus" with organic coolant and moderator

SOURCE: Atomnaya energiya, v. 17, no. 6, 1964, 439-448

TOPIC TAGS: small nuclear reactor, organic coolant, organic moderator, reactor economy, nuclear reactor

ABSTRACT: The paper is a summary of the SSSR # 307 report at the Third Inter-

Card 1/2

L 24212-65

ACCESSION NR: AP5001265

national Conference on Peaceful Uses of Atomic Energy, 1964. It describes an installation of a reactor in which organic liquid serves as the coolant, and as the moderator. The low-power reactors of about 5 Mw are expected to be economical in the remote regions where the usual energy sources are not available. A regeneration system is described for the coolant which removes the products of radio-lysis. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: NP

Card 2/2

POLUSHKIN, K.K.; YEMEL'YANOV, I.Ya.; DELENS, P.A.; ZVONOV, N.V.; ALEKSENKO, Yu.I.; GROZDOV, I.I.; KUZNETSOV, S.P.; SIROTKIN, A.P.; TOKAREV, Yu.I.; LAVROVSKIY, K.P.; BRODSKIY, A.M.; BELOV, A.R.; BORISTUK, Ye.V.; GRYAZEV, V.D.; POPOV, D.N.; KORYAKIN, Yu.I.; FILIPPOV, A.G.; PETROCHUK, K.V.; KHOROSHAVIN, V.D.; SAVINOV, N.P.; MESHCHERYAKOV, M.N.; PUSHKAREV, V.P.; SUROYEGIN, V.A.; GAVRILOV, P.A.; PODLAZOV, L.N.; ROGOZHNIK, I.N.; TETYUKOV, V.D.

"Arbus" atomic power plant with organic heat transfer agent and moderator. Atom. energ. 17 no.6:439 D '64 (MIRA 18:1)

SURPAT, Gh., candidat in stiinte economice

The scourge of the chronic mass unemployment in the bourgeois-  
landlord Rumania. Probleme econ 15 no.3:103-117 Mr '62.

SURPAT, Gh., candidat in stiinta economice; ANESCU, V.; TUTUI, Gh.

Antinational and exploiting character of the Romanian Monarchy.  
Probleme econ 15 no.12:182-197 D '62.



AXENCIUC, V., candidat in stiinta economice; SURPAT, Gh., candidat in stiinta  
economice

Struggle of the working masses under the leadership of the Rumanian  
Communist Party against getting out of a crisis to the detriment of  
the working people. Probleme econ 16 no.2:16-27 F '63.

SCUTN, Ga, candidat in stiinta economiei: 1964, G.

Valuable traditions of Marxist economic theory propagating  
in Rumania. Probleme econ 13 no. 5: 87-91. My '65.

SURPINA, M.A., kand.med.nauk

Multiple liver abscesses. Khirurgiya 34 no.8:125-126 Ag '58  
(MIRA 11:9)

(LIVER, abscess  
multiple (Rus))

SURPINA, M.A., podpolkovnik meditsinskoy sluzhby, kand.med.nauk

Surgical complications in helminthic invasions. Voenn.-med.zhurn.  
no.9:78 S '61. (MIRA 15:10)  
(WORMS, INTESTINAL AND PARASITIC)

SURPINA, M.A., kand.med.nauk

Early necrectomy in free skin autoplasty. Vest.khir. 89 no.8:75-76  
Ag '62. (MIRA 15:10)

(SKIN GRAFTING) (NECROSIS)

SURPINA, M.A., kand. med. nauk (Vladivostok)

Case of gangrenous appendicitis, complicated by phlegmon  
of the ileum in association with sarcoma of the large  
intestine. Khirurgiia 39 no.10:129-130 0 '63.

(MIRA 17:9)

SURPINA, M.A., kand. med. nauk (Vladivostok)

Resection of two thirds of the liver in blunt abdominal injury.  
Vest. Khir. 91 no.10:110-112 C '63. (MIRA 17:7)

3  
Chem 2

Chem Abs 148

1-25-54

Inorganic Chemistry

Reaction of magnesium boride with water. V. I. Mikhnev and V. Yu. Surs. *Doklady Akad. Nauk S.S.S.R.* 91, 1131-3 (1953).--Reaction of  $H_2O$  or dil. acids with  $B_2Mg$  produces  $H_2$ ; the aq. exts. decolorize iodine solns. Treatment of the aq. ext. with  $KOH$ , filtration of  $Mg(OH)_2$ , evapn. in vacuo, and extn. of excess  $KOH$  with abs.  $EtOH$

gave yellow crystals; these give an alk. soln. in  $H_2O$ , which vigorously reduces salts of the heavy metals, and with  $NiSO_4$  gives  $Ni$  boride. Detn. of B by titration with alkali in presence of mannitol, of K as  $K_2SO_4$ , and of H as active H and by calcining in  $O_2$ , indicated the compn.  $KBH(OH)_2$ , with only 1 active H; the product is the result of partial hydrolysis of  $KBH_3$ .  
G. M. Koenigsberg

ME  
4-21-54



USSR/Chemistry - Boron Hydrides

1 Nov 53

"The Chemical Nature of Potassium Hypoborate," V. I. Mikheyeva and V. Yu. Surs

DAN SSSR, Vol 93, No 1, pp 67-69

Passed diborane (I) and tetraborane (II) through solns of KOH of different concs and detd the ratio of evolved H to B on acidification of the resulting solns to be 5 for I and 6 for II (for concs of KOH not lower than 30%). Comparison of the properties of the solid products of the above reactions and of the analyses of these products indicates that the solid products from I and II are identical.

275T6

Their comp is expressed by the formula  $\text{KBO}_2\text{H}_4$ . The hydrolysis of  $\text{KBH}_4$  can proceed to any one of three stages, depending on the conc of KOH, the temp, and the external pressure. Presented by Acad I. I. Chernyayev 4 Sep 53.

SURSAJEV, G.G.; LUK'YANOVA, N.D., otv. red.; CHASOVIKOVA, Z.I., tekhn.  
red.

[Production of medium-carbon ferrochromium in converters] Proiz-  
vodstvo sredneuglerodistogo ferrokhroma v konvertere. Alma-Ata,  
TSentr. in-t nauchno-tekhn. informatsii, 1960. 12 p.  
(MIRA 15:4)

(Iron-chromium alloys—Metallurgy)

SHAMARIN, P.I., prof.; SURSIMOVA, G.V., klinicheskiy ordinator

Effect of sodium salicylate on the quantity of eosinophils  
in the blood. Vrach. delo no.10:144-145 0 '63.  
(MIRA 17:2)

1. Kafedra propedevticheskoy terapii (zav. - prof. P.I.  
Shamarin) Saratovskogo meditsinskogo instituta.

SUSKIE, A.[Suski, A.]; SOBOLENKO, T.[Sabalenka, T.], red.

Brest. Minsk, Wyd-va "Belarus'," 1964. 111 p.  
[Supplement to the Brest album] Prilozhenie k  
al'bomu Brest. 13 p. (MIRA 18:2)